



**STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION**

DIVISION OF UNDERGROUND STORAGE TANKS

TECHNICAL GUIDANCE DOCUMENT - 013

EFFECTIVE DATE: JANUARY 21, 1994

REVISED DATE: AUGUST 1, 1996

RE: FUND ELIGIBILITY SITE CHECK

PURPOSE

This investigation shall be conducted to re-establish fund eligibility at facilities which have lost fund eligibility or to establish fund eligibility of previously unregistered sites in accordance with Rule 1200-1-15-.09(5).

GENERAL INFORMATION

Site check activities and the evaluation of the subsurface investigation shall be directed by a registered professional geologist under the Tennessee Geologist Act (T.C.A. §62-36-101 et seq.), or registered professional engineer under the Tennessee Architects, Engineers, Landscape Architects, and Interior Designers Law and Rules (T.C.A. §62-2-101 et seq.).

Any of the following conditions shall warrant the installation of one ground water monitoring well at the location where contamination is most likely to be encountered:

1. Surface and/or ground water environmental impact;
2. Borings which encounter ground water; or,
3. Tank(s) and/or supply line(s) installed at or below the soil/bedrock interface.

If at any point during the site check activities free product is encountered on site, it shall be managed in accordance with TGD - 004, Requirements for Free Product Removal.

All site check activities shall be conducted in accordance with all relevant sections of the Environmental Assessment Guidelines. The results shall be reported in accordance with the Site Check Report Guidelines.

PROCEDURES

- A. Notify the appropriate UST Field Office one working day prior to conducting the site work.
- B. Tankhold Sampling

The number of borings to be installed shall be in accordance with the following table. A tankhold is the basin created upon installation of an UST system. It contains one or more UST's along with the backfill material. "Total tankhold capacity" is defined as the sum of the volumes of all tanks within a tankhold.

Total Tankhold Capacity (gallons)	Number of Samples	Sample Location
1,120 or less	2	See Figure 1
1121 - 15,000	4	See Figure 1
15,001 - 30,000	6	See Figure 1
30,001 - 45,000	8	See Figure 1
45,001 - 60,000	10	See Figure 1
Greater than 60,000	Site specific	Site specific

All soil samples taken around the tankhold shall be taken from a depth of one foot below the bottom of the tankhold into undisturbed soil or at the soil/bedrock interface, whichever occurs first.

- C. Supply Line and Dispenser Sampling

A boring shall be placed adjacent to the midpoints of each of the following, in the assumed downgradient direction:

- a) dispenser island(s)
- b) supply line trenches greater than thirty (30) feet in length

These borings shall be placed no more than three (3) feet from items a) and b) above and advanced to a depth of six (6) feet below the ground surface.